
















**STREAMLINE**  
series

**INSTRUCTIONS FOR USE**

## Symbols & Labeling

All **Symbols** featured below shall be referenced in this manual as well as on product labels.

-  - Represents a caution or warning. Be sure to read and comply with all precautions and warnings.
-  - Warns against an electrical shock hazard.
-  - Indicates the potential of exposure to harmful x-rays.
-  - Indicates the components are a Type B Applied Part.
-  - Indicates alternating current (AC).
-  - Indicates place of manufacture.
-  - Indicates information regarding the recommended humidity.
-  - Indicates that the product should be protected from moisture.
-  - Indicates information regarding the recommended temperature during transport and storing.
-  - Indicates this end up on shipping label.
-  - Indicates a Protective Earth (Ground) Terminal.
-  - Warns that there should be no stacking of containers during transport.
-  - Indicates consult Instructions for Use.
-  - Indicates Pinch Point risk.
-  - Indicates Crush risk.

All **Labels** are adhesively applied and completely waterproof & stain resistant. If any product labeling is damaged or missing contact Surgical Tables Inc. immediately. Images below are not to exact scale.


**REF: STREAMLINE 5**  
 Manufactured By:  
 Surgical Tables Incorporated  
 2 Debus Ave  
 Building A-2  
 Middleton, MA 01949  
 www.surgicaltables.com  
 978-777-4031  
**SN: 021213-06**  
 Complies with IHS Radiation  
 Performance Standard,  
 21 CFR Subchapter J  
**ATTENTION:**  
  
 **DO NOT EXCEED 500 LB LOAD**  
STREAMLINE - LABEL, Rev B

Serial Number Label



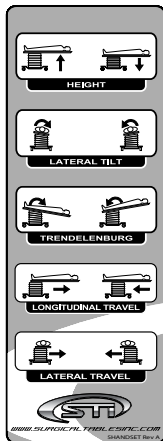
STI Brand Dome Label



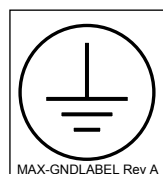
Crush Label



Pinch Point Label



Handset Label



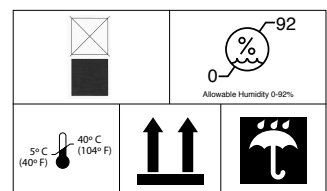
Ground Label



Warning Labels



Shipping Label














Shipping Label



Shipping Label

## Cautions/Warnings

-  Do not operate any of the Streamline Series imaging tables without proper training or without reading and understanding this user's manual. The Streamline Series imaging tables are rated for a 500 pound patient. Do not place a load larger than 500 pounds onto the Streamline Series imaging table. Do not allow a patient to board at the head end of the table. Do not attempt to move the Streamline Series imaging table with the brakes locked.
-  If anything happens to the Streamline Series imaging table that is out of the normal conditions of operation or the Streamline Series imaging table is not functioning normally, call Surgical Tables Incorporated. Do not attempt to fix your Streamline Series imaging table without consulting Surgical Tables Incorporated. Surgical Tables Incorporated must have knowledge of any complaints, problems or issues with the Streamline Series imaging tables.
-  Patient is to be restrained to the Streamline Series imaging table during use. The operator of the Streamline Series imaging table is responsible for the patients safety during use. The operator must be certain the patient can not be harmed during operation of the Streamline Series imaging table. Make sure all 4 castors are locked before allowing a patient to board the Streamline Series imaging table.
-  In order to separate equipment from supply mains, disconnect power cord at wall. Do not position equipment so that power cord can not be unplugged.
-  There is a possibility of electromagnetic or other interference while table is in operation. The use of a power-conditioning outlet strip (one which is specified to reduce "EMI" or electromagnetic interference) is recommended to avoid interference.
-  It is suggested that when moving the table to use 2 people at all times. It is also important to be aware of inclines and all accessories.
-  Environmental conditions for transport and storage specified in accompanying documents and marked on packaging.
-  Equipment is capable while packed for transport or storage of being exposed to the conditions stated by the manufacturer.
-  Instructions for use contain all information necessary to operate the equipment in accordance to its specification.
-  Table is not intended to transport patients. It is intended for positioning patients when used with mobile x-ray.
-  Type of protection against electric shock: Class I Equipment.
-  Degree of protection against electric shock: Type B applied part.
-  EQUIPMENT not suitable for use in the presence of a FLAMMABLE ANAESTHETIC MIXTURE WITH AIR or WITH OXYGEN OR NITROUS OXIDE and also "Not for use with oxygen or oxygen enriched atmospheres.
-  Any items placed on table (patient) surface reduces the allowable patient load.. Example: Lead drapes, Medical Equipment, et
-  Classification according to the degree of protection against ingress of water: IPX1 (footswitch and hand control only)
-  When disposing of equipment follow local, federal and/or country guidelines and be sure to follow appropriate disposal instruction provided for all waste products to assure that any potential risk to patients or medical staff is mitigated.
-  The Streamline imaging tables do not offer protection from harmful x-rays. Use caution and personal protection when using x-rays.
-  This product is intended for minimally invasive procedures it is not intended for use in operating rooms.
-  The use of accessories, transducers and/or cables other than those specified, with the exception of those sold by the manufacturer as replacement parts for internal components, may result in increased emissions or decreased immunity of the equipment or system.

To begin operating the Streamline Surgical table you must position it in place, lock the table castors and plug the power cord into a receptical. With the table top in a level position and the table castors locked, assist the patient onto the table. After the patient is correctly positioned, apply the patient safety restraint straps. It is now safe to use the hand or foot controls to move the table to the desired position. Always make sure the patient is safe while operating the imaging table; you may need to re-position patient straps to increase patient safety.

**To stop table, in case of emergency, remove plug from wall power. Always make sure plug is accessible and easily removed**

The following describes the imaging tables motorized movements.



### Height

The Height buttons raise or lower the table top.



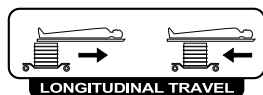
### Lateral Tilt

The Lateral Tilt buttons control the lateral angle of inclination.



### Trendelenburg

The Trendelenburg buttons control the angle of inclination of the head end.



### Longitudinal Travel

The Longitudinal Travel buttons will move the table top in the longitudinal direction.



### Lateral Travel

The Lateral Travel buttons will move the table top in the lateral direction.



#### Patient Safety Straps: Comes standard

The patient safety straps help to immobilize the patient during a procedure. Catalog: AP/STRAP



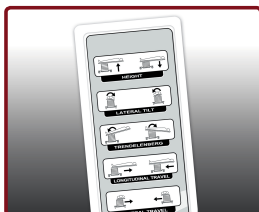
#### Lockable Castors: Comes standard

Each Streamline Series imaging table comes equipped with 5" rotating and lockable casters that allow for table mobility ease. The castors are also manufactured to be quiet rolling, washable, non-marking to floors.



#### Facial Access Plug: Comes standard

While in place, the facial access plug allows the table to support the patient as if it were a solid table top while the patient is lying Supine (face up). When the facial access plug is removed it allows access to the patients face while the patient is lying Prone (face down). Catalog: MAX-FILLER



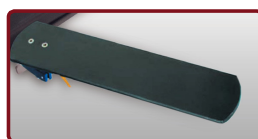
#### Remote control Handset: Comes Standard

The Remote Control comes standard on all Streamline Series imaging tables with motorized movements. The remote control allows the operator to position their patient. Catalog: EHA3\*



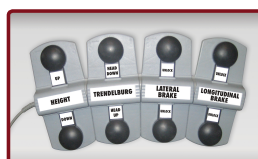
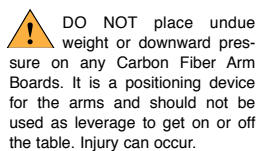
#### Surgical Armboards: Optional

Carbon Fiber Single Arm Board conveniently mounts to the MSRS or the table mounted side rail and easily supports the patient's arm. The Surgical Armboards allows for a rotational range of 180°. This equipment can easily fold for compact storage when not in use. Catalog: S-ARM



#### Procedure Armboards: Optional

Carbon Fiber Double Arm Board slides around carbon fiber table top and under the table top pad and supports the patient's 2 arms. The patients' weight keeps the armboards in place. The Procedural Armboards allow both armboards a rotational range of 180°. This equipment can easily fold for compact storage when not in use. Catalog: P-ARM



#### Footswitch: Optional

The Footswitch provides hands free mobility and allows the surgeon to move the patient in all directions. Catalog: STJ0\*



#### MSRS - Modular Side Rail System: Optional

The Modular Side Rail System is a set of 2 side rail clamps. Each side rail clamp has a 6" section of standard OR side rail which provides a hassle-free way to attach any standard surgical accessory to the imaging table. Catalog: MSRS

\*denotes how many movements

### ■ Patient Safety Straps:

**REMOVAL:** With the patient positioned in a level position, remove the patient straps by disconnecting the joined Velcro.

**INSTALLATION:** The patient safety straps secure using Velcro. The patient is positioned on the imaging table while the imaging table is in a level position. The patient straps are wrapped around the imaging table top and around the patient. The Velcro is joined and attached together to help secure the patient onto the imaging table. The operator must ensure proper placement of patient straps so the patient does not get harmed.

### ■ Facial Access Plug:

**REMOVAL:** To remove the Facial Access Plug first remove the donut-hole pad and then raise the patient pad and remove the filler piece. Replace the patient pad.

**INSTALLATION:** The facial access plug consists of a donut-hole pad and a filler piece. To install raise the patient pad and place the filler piece onto the opening in the table top (orient the filler piece with the protruding section down to lock the filler piece in place). Replace the pad and place the donut-hole pad into the opening in the patient pad.

### ■ Remote control Handset and Footswitch:

**REMOVAL:** Be sure the imaging table is unplugged. To remove existing Handset or Footswitch you must follow the cord to where it is strain relieved. Remove strain relief and separate wires. Follow the handset or Footswitch cord to where cord enters the control box. Remove protective cover off the control box. Follow cord to connection point at the control box and pull cord plug to remove.

**INSTALLATION:** Be sure the imaging table is unplugged. With the protective cover off the control box, plug in new Handset or Footswitch control where previous control removed. Replace the protective cover on the control box. Attach strain relief where previously removed being sure to attach any wires that were originally strain relieved with original control.

### ■ Modular Side Rail System (MSRS):

**REMOVAL:** The Modular Side Rail System is a set of two clamps with 6" side rails. The side rail clamps are removed by loosening the locking handle located underneath the side rail clamp. Turning the handle counter-clockwise loosens the side rail clamp so it can be removed or repositioned.

**INSTALLATION:** To attach the side rail clamp there is a groove on the bottom of the imaging table top that the side rail clamp jaw has to be line up with. Place the side rail into the desired location and attach by tightening the locking handle located underneath the side rail clamp. Turning the handle clockwise tightens the clamp.

### ■ Surgical Armboards:

**REMOVAL:** The Surgical Armboard mounts to the MSRS or the table mounted side rail. The Surgical Armboard is removed by grasping one end of the armboard, lift the latch handle and lift up and off the side rail.

**INSTALLATION:** Hold the armboard in a horizontal position. Tilt the end of the board up approximately 2 to 3". Hook the upper jaw of the mount over the side rail, lift the latch handle and allow the end of the board to return to horizontal position. Release the latch and the armboard should now be fastened to the table.

**ADJUST RADIAL ANGLE:** Lift up on the end of the armboard and move it in the desired direction. Lower the end of the armboard and the weight of the arm will lock the board in position. Do not apply excessive force when lifting the end of the armboard.



### ■ Procedural Armboards:

**REMOVAL:** The Procedure Armboards are removed without the patient on the imaging table. First lift the patient pad from the imaging table top and slide the Procedural Armboards towards the head end of the imaging table top until the Procedural Armboards are past the end of the imaging table top. Lift and remove. Replace patient pad.

**INSTALLATION:** At the head end of the table top lift the patient pad from the imaging table top. Hold the Procedural armboards in a horizontal position. Allow the Velcro straps on the Procedural armboards to go around table top. Place armboards in desired location and tighten Velcro straps if necessary. Replace patient pad.

**ADJUST RADIAL ANGLE:** Grasp the end of the armboard and move it in the desired direction. There are no locks to keep in position





## Specifications

The Streamline surgical table series is intended to be used with mobile x-ray units for minimally invasive procedures on patients as large as 500 lbs.

### Standard Specifications:

- Table Dimensions: 84" L x 24" W
- Tabletop Material: Carbon fiber skin/foam core with integral facial cut-out
- Tabletop: 84"L x 24"W x 1.62" T
- Radiolucent Area: 54"L x 24"W unobstructed
- Mattress: 2" thick (5 cm)
- Base: I-Shaped Steel Base 82"L x 26
- Patient Capacity: 500lb(227kg)

### Systems Requirements for all models:



- Protect product from moisture



- Allowable Storage and Operating Humidity: 0-92%



- Allowable Storage Temperature: 0C(32F) to +40C(104F)



- Allowable Operating Temperature: up to 40°C (104°F)

## STREAMLINE FH

### Streamline Series Fixed Height

1. FIXED HEIGHT..... 36"

TABLE WEIGHT: 330lbs(150kg)

	USA
AC Voltage	N/A
AC Current	N/A
Electric Shock Protection	N/A
Applied Part Rating	Type B
Mode of Operation	10% Duty Cycle 1 min on, 9 minutes off

## STREAMLINE 1

### Streamline Series 1 Move Surgical Table

1. HEIGHT..... 28" TO 38"

TABLE WEIGHT: 375lbs(170kg)

Patient Capacity: 500lbs(227kg)

	USA
AC Voltage	120V~
Frequency	60 Hz
AC Current	2.5A
Electric Shock Protection	Class I
Applied Part Rating	Type B
Mode of Operation	10% Duty Cycle 1 min on, 9 minutes off

## STREAMLINE 2

### Streamline Series 2 Move Surgical Table

1. HEIGHT..... 28" TO 38"

2. LATERAL TILT..... ( + / - ) 17°

TABLE WEIGHT: 390lbs(177kg)

Patient Capacity: 500lbs(227kg)

	USA
AC Voltage	120V~
Frequency	60 Hz
AC Current	2.5A
Electric Shock Protection	Class I
Applied Part Rating	Type B
Mode of Operation	10% Duty Cycle 1 min on, 9 minutes off

## STREAMLINE 3

### Streamline Series 3 Move Surgical Table

1. HEIGHT..... 28" TO 38"

2. LATERAL TILT..... ( + / - ) 17°

3. TRENDLENBURG..... ( + / - ) 15°

TABLE WEIGHT: 420lbs(191kg)

Patient Capacity: 500lbs(227kg)

	USA
AC Voltage	120V~
Frequency	60 Hz
AC Current	2.5A
Electric Shock Protection	Class I
Applied Part Rating	Type B
Mode of Operation	10% Duty Cycle 1 min on, 9 minutes off

## STREAMLINE 4

### Streamline Series 4 Move Surgical Table

1. HEIGHT..... 30" TO 43"

2. LATERAL TILT..... ( + / - ) 17°

3. TRENDLENBURG..... ( + / - ) 15°

4. LONGITUDINAL TRAVEL .. 10" (+/- 5")

TABLE WEIGHT: 590lbs (268kg)

Patient Capacity: 500lbs(227kg)

	USA
AC Voltage	120V~
Frequency	60 Hz
AC Current	6.5A
Electric Shock Protection	Class I
Applied Part Rating	Type B
Mode of Operation	10% Duty Cycle 1 min on, 9 minutes off

## STREAMLINE 5

### Streamline Series 5 Move Surgical Table

1. HEIGHT..... 33.5" TO 43.5"

2. LATERAL TILT..... ( + / - ) 17°

3. TRENDLENBURG..... ( + / - ) 15°

4. LONGITUDINAL TRAVEL .. 10" (+/- 5")

5. LATERAL TRAVEL..... 10" (+/- 5")

TABLE WEIGHT: 695lbs(315kg)

Patient Capacity: 500lbs(227kg)

	USA
AC Voltage	120V~
Frequency	60 Hz
AC Current	6.5A
Electric Shock Protection	Class I
Applied Part Rating	Type B
Mode of Operation	10% Duty Cycle 1 min on, 9 minutes off

\*all degree measurements +/-2°

\*all height measurements to carbon fiber top

## Maintenance, Preventative Maintenance & Service

**ROUTINE CARE:** The unit needs to be unplugged from the wall power before any cleaning. Using a soft cloth dampened with mild soap suds and luke warm water; wipe all surfaces and dry with soft cloth. Wait at least 10 minutes after cleaning before plugging unit into wall power.

**DISINFECTION:** The unit needs to be unplugged from the wall power before any disinfecting. Contamination with blood can be disinfected with 1:10 dilution of bleach (5.25% sodium hypochlorite) as recommended by the CDC (US Department of Health and Human Services, February 1989). Using a soft cloth dampened with 1:10 dilution of bleach (5.25% sodium hypochlorite); wipe all surfaces and dry with soft cloth. Wait at least 10 minutes after disinfecting before plugging unit into wall power.



**WARNING:** Iodophor type disinfectants (Betadine, for example) with stain the patient pad.



**WARNING:** Prolonged contact with bleach solutions, improper dilution ratios for any cleaning agent, or poor rinsing after disinfecting and cleaning may cause damage to both the appearance and performance

**INSPECTION:** Preventative Inspection is required every 6 months. This includes checking the system to ensure it is working properly, checking to make sure no cords are frayed or damaged and to make sure the system operates as intended. This can include to check the brakes on the system and all of the motion controls. Additionally check all supporting structures and pivot points for unusual wear or loose parts. If anything noticed call Surgical Tables Incorporated immediately.

### Preventative maintenance is not required

**SERVICE:** Do not service your Streamline Series imaging table unless you have consulted Surgical Tables Incorporated. No user serviceable parts.

## Warranty

Surgical Tables Incorporated provides a 4-Year Limited Warranty/4- year warranty on non-electrical parts and 1-year warranty on electrical components. The warranty is only valid to the original purchaser and is not transferable. Surgical Tables Incorporated has the right to assess if mis-use has occurred. In the case of mis-use the warranty is void.

## Compliance

Surgical Tables Incorporated (STI) manufactures medical devices that are compliant with the Center for Devices and Radiological Health (CDRH) Code of Federal Regulation 21 Subchapter J Part 1020 Section 30 (CFR21 Subchapter J part 1020.30), the performance standard for ionizing radiation emitting products. Additionally, STI's products are manufactured according to the Food & Drug Administrations (FDA) Current Good Manufacturing Practices (CGMP's).

### FDA PRODUCT CLASSIFICATION

- Device Description: Radiologic Table
- Product Code: KXJ
- Regulation Number: 892.1980
- Device Class: 2
- GMP Exempt: No
- 510(k) Exempt: Yes



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**Surgical Tables Incorporated**

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